

Dr. Sajid Ali

Associate Professor

Department of Agriculture (Plant Breeding & Genetics)

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<i>Post-Doc Population Genomics & Co-evolution, France</i> <i>Post-Doc Population Genetics, Denmark</i> <i>PhD Genetics, Evolution and Population Biology, France</i> <i>MS: Plant Health, France</i> <i>M. Sc. (Hons): Plant Breeding and Genetics, Pakistan</i> <i>B. Sc. (Hons): Plant Breeding and Genetics, Pakistan</i>	Breeder of 4 varieties “ Ghanimat-e-IBGE ” (wheat) “ Rokhana ” & “ Dalai ” (Brassica) “ Himalaya-1 ” (Common Bean) Research Productive Award, 2016 & 2017 President of Pakistan award, 2007 Fakhre Peshawar Award, 2019 3 Gold medals and 1 Silver medal
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Personal information	Academic Qualifications
Last Name Ali First Name Sajid Nationality Pakistani Gender Male Marital status Married Date of Birth July 31st 1984 CNIC 1730147187403 Permanent Address: House no. 2, Munir Street, Village Reerh, PO Box Attar-Shisha, Mansehra, Pakistan Languages: English, French, Urdu, Pashto and Punjabi, Hindko and Arabic & Persian (limited). Hobbies: Gardening, Hiking and trekking, Sports (football), YouTube channel maintenance and Reading poetry & history.	2009-12: PhD in Genetics, Evolution and Population Biology. University Paris-Sud, France. (Highest ranking “Tres Honorable”). 2008-09: M2 Santé des Plantes (Master Plant Health), Agro-campus Rennes, France. (First position). 2007-08: M. Sc. (Hons.) in “Plant Breeding and Genetics” at The University of Agriculture, Peshawar, Pakistan. (Grade A+, CGPA 3.97/4). 2003-06: B. Sc. (Hons.) in “Plant Breeding and Genetics” at The University of Agriculture, Peshawar, Pakistan. (Grade A+, CGPA 3.98/4). 2002: F. Sc. in Biological sciences (Pre-Medical) from BISE-Peshawar Pakistan. (Grade A, 70%). 2000: SSC in Science from BISE-Peshawar, Pakistan (Grade A, 70%). July-August 2008 French Language Course, at Institute Catholic de Paris. France January-June, 2008 French Language Course, at Alliance Francaise de l’Islamabad, Pakistan

Distinctions & Awards
Breeder of wheat Variety “ Ghanimat-e-IBGE ” – approved by Provincial Seed Council, Govt. of KP, Pakistan (2015). Breeder of 2 Brassica varieties “ Rokhana ” & “ Dalai ” – approved by Prov. Seed Council, Govt. of KP, Pakistan (2020). Breeder of common bean variety “ Himalaya-1 ” – approved by Prov. Seed Council, Govt. of KP, Pakistan (2021). Fakhre Peshawar Award, 2019 for Being a Scientist from Peshawar with National and International Recognition in Agriculture – City District Government, Peshawar. Research Productive Award, 2017 for being Productive Scientists of Pakistan in 2016 – Ministry of Science & technology, Pakistan. Research Productive Award, 2016 for being Productive Scientists of Pakistan in 2015 – Ministry of Science & technology, Pakistan. President of Pakistan Award 2007 for having the highest score at university level 2 Gold Medals in B.Sc. (Hons.) and 1 Gold Medal and 1 Silver Medal in M.Sc. (Hons.) through attaining the best score at Faculty and University level. 1st Position in French Master “M2-Santé des plantes” - HEC scholarship for Master leading to PhD for France Agreenskills+ Fellowship for post-doctoral research, France

PROFESSIONAL CAREER

Professional experience:

Associate Professor: Department of Agriculture (Plant Breeding & Genetics), Hazara University, Mansehra, Pakistan. (1st December, 2020 – till present).

Assistant Professor: Institute of Biotechnology and Genetic Engineering, the University of Agriculture, Peshawar, Pakistan. (14th July 2014 - 30th November 2020).

Post-Doctoral Fellow: INRA-CIRAD-SupAgro, Montpellier, France (1st November 2016 to 31st October 2017).

Visiting Researcher: GRRC, Aarhus University Forsogsvaj 1, Flakkbjerg, 4200 Slagelse, Denmark. (1st June 2016-31th August 2016).

Visiting Researcher: GRRC, Aarhus University Forsogsvaj 1, Flakkbjerg, 4200 Slagelse, Denmark. (1st June 2015-31th August 2015).

Post-Doctoral Fellow: Aarhus University Forsogsvaj 1, Flakkbjerg, 4200 Slagelse, Denmark. (1st November 2013-31th October 2014).

Assistant Professor: Institute of Biotechnology and Genetic Engineering, the University of Agriculture, Peshawar, Pakistan. (25th September 2012 to 24th September 2013).

Invited Researcher-CDD: French National Institute of Agriculture (INRA), France. (1st September 2011 to 31st October 2011).

Teaching Assistant (NIP=BS-17): Department of Plant Breeding & Genetics, the University of Agriculture, Peshawar, Pakistan. (1st August, 2007 to 31st July 2008).

Patent/Variety: Breeder of wheat variety “**Ghanimat-e-IBGE**” – approved and released in 2015

Co-breeder of Brassica varieties “**Rokhana**” and “**Dalai**” – approved and released in 2020

Co-breeder of Brassica varieties “**Himalaya-1**” – approved and released in 2021

Administrative Responsibilities:

- Member **Board of Studies**, Dept. of Agriculture, Hazara University, Mansehra (June 2021-present)
- Member **Departmental Technical Committee (DTRC)**, Dept. of Agriculture, Hazara Uni, Mansehra (July 2021-present)
- Member **Departmental Technical Committee (DTRC)**, Dept. of Bioinformatics, Hazara Uni, Mansehra (June 2022-present)
- **Farm supervisor** of IBGE, The Uni. of Agric. Pesh. Research Fields (2014-17)
- **Convener** for the National Agricultural Education Accreditation Commission Visit and Seminar
- **Convener** for the Committee to launch M.Phil and PhD in Plant Breeding and Genetics at Department of Agriculture, HUM
- **Coordinator** for students’ consultations for academic affairs and career development – Arranged various events including Orientation session for newly enrolled students.
- **Convener** for Thesis Evaluation Committee, Dept. of Agric. HUM
- **Focal Person** for QEC related issues for the Dept. of Agric. HUM
- Served as **research thesis examiner** for Hazara University, Mansehra; Bacha Khan University, Charsadda; CIIT, Abbottabad.

Teaching Experience:

Several courses of Genetics and Biotechnology have been taught:

Agricultural Biotechnology (IBGE706), Introductory Virology (PPL703), Principles of Plant Breeding (PBG704), Genetic Engineering Lab-II (IBGE711), Cell & Tissue Culture (IBGE313), Ecosystem and Environment (IBGE414), Food Biotechnology (IBGE512), Cytogenetics (PBG-511), Germplasm Resources of Crop Plants (PBG514), Principles of Genetics-I (IBGE312), Biometrical Genetics (IBGE-403) and Germplasm Resources and Conservation (IBGE-501), Biodiversity & Plant Genetic Resources (PBG-364), Breeding Fiber Crops (PBG361), Breeding Oilseed Crops (PBG471), Fundamentals of Research and Scientific Writing (PBG611), General Science and Ability (CSS-prep), Environmental Sciences (CSS-prep).

Research Projects as PI/Co-PI:

S. No.	TITLE	DONOR AGENCY	AMOUNT	STATUS	ROLE
1	Surveillance and genomics of <i>Puccinia striiformis</i> on Berberis and cereals across Pakistan	Australian National University, Australia	43,044 AUD = ~Rs. 6,762,510	In progress	PI
2	Diversity in prevalence of wheat yellow rust pathogen’s genetic lineages on UK lines in the pathogen center of diversity	John Innes Centre, Norwich, United Kingdom (sub-grant of BBSRC, UK)	£ 6000 (~Rs. 1.31 million PKR)	In progress	PI
3	<i>Puccinia striiformis</i> population genetic structure in tribal districts of Pakistan and its control through wheat genetic improvement using non-conventional germplasm resources	Agriculture Innovation Programme - CIMMYT, Pakistan	USD 11000 (~2 million PKR)	In progress	PI

4	RustWatch: A European early-warning system for wheat rust diseases	Sub-grant of EU-H2020 funded by European Research Council	€ 120312	In progress	PI (Pakistan)
5	Mapping and profiling of farming communities of various districts of Hazara region	Concave Agri, Sybrid Pvt. Ltd.	Rs. 765,000	In Progress	Project Lead
6	Wheat disease surveillance across tribal districts and <i>Berberis</i> zone of Pakistan	Wheat Productivity Enhancement Programme-CIMMYT-USDA, Pakistan	USD 2,000	Completed	PI
7	Surveillance and Molecular Genotyping of Wheat Rust across Pakistan to Comprehend Rust Epidemic status and Population Structure	Wheat Productivity Enhancement Programme-CIMMYT-USDA, Pakistan	USD 20,000	Completed	PI
8	Molecular characterization of Pakistani <i>Puccinia striiformis</i> f.sp. <i>tritici</i> through development of rapid genotyping platform	Higher Education Commission, Pakistan	Rs. 5,00,000	Completed	PI
9	Field transcriptomics of wheat yellow rust within the centre of diversity in Pakistan	A collaborative project with "The Genome Analysis Centre, Norwich Research Park, Norwich, UK"	£ 3,076	Completed	Co- PI
10	Exploring rice blast prevalence and <i>Magnaporthe</i> population structure in Pakistan	A collaborative project with " Collaborative Project granted by Agropolis Foundation	€ 5,000	Completed	Co-PI
11	Surveillance and sampling of wheat yellow rust from the North of Pakistan	As a collaborative part of the EMERFUNDIS, ANR 07-BDIV-003, France	€ 3,000	Completed	Collaborator

Services to Govt.: Member “Committee on Biotechnology Foresight in Pakistan - Pakistan Council for Science and Technology, Government of Pakistan”. Contributed to two chapters and edited the report. Inputs on Agriculture Revolution to **Chief Minister Khyber Pakhtunkhwa, Pakistan**.

Associate Editor: Sarhad Journal of Agriculture

Reviewer: Served as reviewer for international/national journals:

Nature Communications, Plant Communications, Molecular Ecology, Heredity, Nature-Scientific Reports, Fungal Genetics & Biology, PLoS One, Fungal Biology, Frontiers in Genetics, Phytopathology, Plant Pathology, Plant Disease, Euphytica, European Journal of Plant Pathology, Phytopathologia Mediterranea, Forest Pathology, Malaria Journal, Australian Journal of Crop Science, Fresenius Environmental Bulletin, Biochemical Genetics, South African Journal of Plant and Soil, Journal of Plant Protection Research, International Journal of Biodiversity and Conservation, Journal of Plant Pathology, The Canadian Journal of Plant Pathology, International Journal of Agriculture and Biology, Pakistan Journal of Agricultural Sciences, The Journal of Animal and Plant Sciences, Sarhad Journal of Agriculture.

Membership of Scientific Societies:

Board member of the *European and Mediterranean Cereal Rust Foundation (EMCRF)*.

Invited honorary member of the *Canadian Phytopathological Society (CPS)*.

Remained member of *French Phytopathological Society, Mediterranean Phytopathological Society, Pakistan Phytopathological Society and Soil Science Society of Pakistan, International Society for Development & Sustainability*.

Students supervised:

PhD: 2 Major supervised & 7 Co-supervised.

MPhil: 17 (11 major supervised; 6 co-supervised).

Students under Supervision (in progress):

PhD: 6 (3 major supervisor IBGE; 2 co supervision at PBG, UAP, Pakistan).

Several Co-supervision of M.Sc. (Hons) and M.Sc.

CONFERENCES, MEETINGS AND WORKSHOPS

Conferences, Meetings and Workshops Organized:

1. 15-17 Sept., 2022 – “4th International Conference on Emerging Trends in Bioinformatics and Biosciences” – Hazara University, Mansehra, **Pakistan**.
2. 2-3 March, 2022 – Two days training workshop on “Genetic and genomic approaches for wheat production enhancement” - Hazara University, Mansehra, **Pakistan**.
3. 8-9th June, 2021 – National Agricultural Education Accreditation Commission Visit and Seminar – Hazara University, Mansehra, **Pakistan**.
4. 29-30 January 2019 - Organizer and speaker – Workshop on “Classical and Molecular Breeding in Wheat – The University of Agriculture, Peshawar, **Pakistan**.
5. 15 October 2019 - One day workshop on “Increasing wheat production in Pakistan through disease management” – The RustWatch Inaugural Session - The University of Agriculture, Peshawar, **Pakistan**.
6. 23-24 October 2019 – Organizer and invited speaker – Strategies for Ensuring Food Security in The Changing Climate - UAP, Peshawar, **Pakistan**.

Conferences, Meetings and Workshops Attended:

1. 15-17 Sept., 2022 – “4th International Conference on Emerging Trends in Bioinformatics and Biosciences” – Hazara University, Mansehra, **Pakistan**.
2. 31st August-2nd September, 2022 – Speaker – 16th International Cereal Rust and Powdery Mildew Conference (ICRPM), Cambridge, **UK** – attended online.
3. 25-26 May 2022 – Invited presented – 1st Hazara University Research Expo – Office of Research Innovation and Commercialization, HU, Mansehra, **Pakistan**.
4. 2-3 March, 2022 – Invited Speaker - Two days training workshop on “Genetic and genomic approaches for wheat production enhancement” - Hazara University, Mansehra, **Pakistan**.
5. 6-7th October, 2021 – Invited Speaker - Annual meeting of RustWatch: A European early-warning system for wheat rust diseases” project – Hosted by Aarhus University **Denmark** – attended Online.
6. 06th October 2021 - Borlaug Global Rust Initiative (BGRI) Technical Workshop side Meeting on Surveillance. Cornell University, **USA** – attended online.
7. 27-28th September, 2021 – Invited Speaker - Wheat Productivity Enhancement Programme Annual meeting & Annual wheat planning meeting. Faisalabad, **Pakistan**.
8. 8-9th June, 2021 – National Agricultural Education Accreditation Commission Visit and Seminar – Hazara University, Mansehra, **Pakistan**.
9. 5-7th October, 2020 – Mid-term meeting of RustWatch: A European early-warning system for wheat rust diseases” project – Hosted by Aarhus University **Denmark** – attended Online.
10. 22-23rd September, 2020 – Annual wheat planning meeting. Islamabad, **Pakistan**.
11. 17th September, 2020 – One day workshop on “Food Security” – organized by Directorate of Science & Technology, Govt. of Khyber Pakhtunkhwa, Peshawar, **Pakistan**.
12. 19-20th February, 2020 – Invited speaker - Two days National conference on beneficial microbes & sustainable crop production - UAP, Peshawar, **Pakistan**.
13. 24th January 2020 – Wheat surveillance meeting 2020 – NARC, Islamabad, **Pakistan**.
14. 24th October, 2019 – Annual wheat planning & Wheat Productivity Enhancement Program (WPEP) annual review meeting. Islamabad, **Pakistan**.
15. 15th October 2019 - One day workshop on “Increasing wheat production in Pakistan through disease management” – The RustWatch Inaugural Session - The University of Agriculture, Peshawar, **Pakistan**.
16. 23-24th October 2019 – Organizer and invited speaker – Strategies for Ensuring Food Security in The Changing Climate - UAP, Peshawar, **Pakistan**.
17. 07-18 October, 2019 – Invited Speaker - 35th Training Course on “The Use of Nuclear and Other Techniques in Food and Agricultural Research” – NIFA, Peshawar, **Pakistan**.
18. 4th September 2019 – Wheat Productivity Enhancement Programme Annual Meeting - 2019 – NARC, Islamabad, **Pakistan**.
19. 04-08 April, 2019 – Invited Speaker – Annual Symposium of the Key-State Laboratory, Northwest A&F University, Yangling, **China**.
20. 29-30 January 2019 - Organizer and speaker – Workshop on “Classical and Molecular Breeding in Wheat – The University of Agriculture, Peshawar, **Pakistan**.
21. 08th January 2019 – Wheat surveillance meeting 2019 – NARC, Islamabad, **Pakistan**.
22. 26-27 September, 2018 – Annual wheat planning & Wheat Productivity Enhancement Program (WPEP) annual review meeting. Islamabad, **Pakistan**.
23. 9-11 August 2018 - Second National Conference on Emerging trends in bioinformatics & biosciences – Hazara University, Mansehra, **Pakistan**.
24. 7-8 June 2018 – Kick-off meeting of RustWatch: A European early-warning system for wheat rust diseases” project – Copenhagen, **Denmark**.
25. 5-6 September 2017 – Annual and closing meeting of “Wheat Productivity Enhancement Program. Islamabad, **Pakistan**.
26. 19th June, 2017 – Annual Journee Scientifique BGPI-2017 – CIRAD, Montpellier, **France**.

27. 13-16 February, 2017. 4th Annual Agreenskills Meeting. College des Bernardins. Paris, **France**.
28. 21-22 November, 2016 - Journée REID-Champignon & Annual meeting of GANDALF project, at AgroParisTech, Paris, **France**.
29. 27th October 2016 – Annual meeting of “Wheat Productivity Enhancement Program. Islamabad, **Pakistan**.
30. 12-13 September 2016 – **Invited Speaker** – BSPP Annual Presidential Meeting 2016, Oxford University, Oxford, **United Kingdom**.
31. 2nd October 2015 – **Invited Speaker** - Status of Wheat Improvement through Biotechnology in Pakistan – Freeman Christian College University, Lahore, **Pakistan**.
32. 05-08 July 2015 – **Keynote Speaker** - 14th International Cereal Rusts and Powdery Mildew, Conference, Helsingør, **Denmark**.
33. 15-25 March 2015 - SAARC Wheat Rust Surveillance and Monitoring Training Workshop – Kathmandu, **Nepal**.
34. 17-18 December 2014 - International Conference on Environment and Sustainable Development. GC University, Lahore, **Pakistan**.
35. 22-28 March 2014 - Borlaug Global Rust Initiative (BGRI) Technical Workshop, 2014 & Borlaug Food Summit. Obregon, **Mexico**.
36. 5th March 2014 – United Kingdom Cereal Pathogens Virulence Survey stakeholders meeting. Cambridge, **United Kingdom**.
37. 6th March 2014 – United Kingdom Cereal Pathogens Virulence Survey stakeholders meeting. Cambridge, **United Kingdom**.
38. 28th January 2014 – Annual meeting of Rust-Fight project, Aarhus University, Slagelse, **Denmark**.
39. 28th August 2013 – Annual meeting of “Wheat Productivity Enhancement Program. Islamabad, **Pakistan**.
40. 19-22 August 2013 - Borlaug Global Rust Initiative (BGRI) Technical Workshop, 2013. New Delhi, **India**.
41. 25-29 March 2013 – 1st Khyber Pakhtunkhwa Traveling Wheat Seminar. Khyber Pakhtunkhwa, **Pakistan**.
42. 05-08 June 2012- 8^{ème} colloque de la Société Française de Phytopathologie. Paris, **France**.
43. 19-23 Septembre 2011- XVI Congress of European Mycologists, Halkidiki, **Greece**.
44. 25-29 June, 2011 - Jacques Monod Conference, Roscoff, **France**.
45. 15-17 February, 2011 – Conference of BIOEXPLOIT final meeting, Wageningen, **The Netherlands**.
46. 25-26 November, 2010 - Annual meeting of EMERFUNDIS at Lauret, **France**.
47. 2-4 June, 2010 – Colloquium of “2^{ème} Journée doctorant SPE-2010”, Sophia-Antipolis, **France**.
48. 9-10 February, 2010 - Technology Workshop on “Marker Assisted Selection: from discovery to application”. Wageningen, **The Netherlands**.
49. 25-29 January, 2010 - 8^{èmes} Rencontres de Phytopathologie – Mycologie, JJC 2010, Aussois, **France**.
50. 8-9 December, 2009 - 9th International Conference on Plant Diseases (CIMA-2009), Tours, **France**.
51. 25-27 November, 2009 - Journée REID-Champignon & Annual meeting of EMERFUNDIS, at AgroParisTech, Paris, **France**.
52. 12 November, 2009 - Colloquium on "Evolution de l'évolution" at AgroParisTech, Paris, **France**.
53. 3-4 November, 2009 – Workshop on Durable disease resistance management. INRA-Paris, **France**.
54. 21-23 October, 2008 - International Agricultural Pests Conference (CIRA). Organized by AFPP. Montpellier, **France**.
55. 19-21 November, 2007 - 3rd International Conference on Plant Pathology, Pakistan. Organized by Pakistan Phytopathological Society. Lahore, **Pakistan**.

PUBLICATIONS

Impact factor: 127.31

Total publications: **67 (41 in Impact factor journals)**

Current H index: **27**

Total citations: **2752**

Current i10: **42**

Where * is added with my name, it shows I am the Senior/Corresponding author on that article.

International Publications in JCR/ISI (Impact Factor)

1. Awais, M, **Ali S***, Ju M, Lie W, Zhang G, Zhang Z, Li Z, Mal X, Wang L, Du Z, Tian X, Zeng Q, Kang Z, Zhao J. 2022. Countrywide inter-epidemic region migration pattern suggests the role off-season population to wheat stripe rust epidemics in China. **Environmental Microbiology**. Accepted. **IF: 5.491**.
2. Aasma, Asad, S., Fayyaz, M., Majeed, K., Rehman, A.U, **Ali, S.**, Liu, J., Rasheed, A., Wang, Y. 2022. Genetic Variability and Aggressiveness of *Tilletia indica* Isolates Causing Karnal Bunt in Wheat. **Journal of Fungi**. 8: 219. **IF: 5.724**
3. Hussain I, **S Ali**, L Wuge, M Awais, J Li, L Yilong, Z Manshan, C Fu, D Liu, F Wang. 2022. Identification of heterotic groups and patterns based on genotypic and phenotypic characteristics among rice accessions of diverse origins. **Frontiers in Genetics**. 13: 811124. **IF: 4.60**

4. Hussain I, Khan SA, Jalal A, Nielsen SL, **Ali S***. 2022. Variability in indigenous Pakistani tomato lines and worldwide reference collection for Tomato Mosaic Virus (ToMV) and Tomato Yellow Leaf Curl Virus (TYLCV) infection. **Brazilian Journal of Biology**. 84: e253605. **IF: 1.651**
5. Khan SN, Hassan G, Khan MR, Facho ZH, Singh D, Sanaullah M, Imtiaz M, **Ali S***. 2022. Genetic response of different bread wheat genotypes to yellow rust under rainfed and irrigated conditions. **The Journal of Animal and Plant Sciences**. AG-20-0154. **Journal of Animal and Plant Sciences**. 32: 127-137. **IF: 0.57**
6. Javed R, Iqbal M, Ullah S, Khan MR, Iqbal A, Sanaullah M, Rahman MU, Fahim M, Saqib MS, **Ali S***. 2021. Phenotypic and molecular divergence in maize (*Zea mays*) ecotypes. **Pakistan Journal of Agricultural Sciences**. 58: 1783-1793. **IF: 1.049**
7. Ismail M, Khan MR, Iqbal A, Facho ZH, Jalal A, Munir I, Farhatullah, **Ali S***. 2021. Molecular markers and field-based screening of wheat germplasm for leaf rust resistance. **Pakistan Journal of Botany**. 53: 1909-1920. **IF: 0.972**
8. Ullah S, Jamshed L, Ahmed M, Rehman Z, Iqbal A, Zakria M, Khan MR, Khan MN, Hussain I, **Ali S***. 2021. Host dependent and geographical structuring of citrus canker bacteria in district Peshawar. **International Journal of Agriculture and Biology**. 25:1346–1354. **IF: 0.902**
9. Khan MR, Imtiaz M, Munir I, Hussain I, **Ali S***. 2021. Differential distribution of leaf rust across major wheat growing regions of Pakistan revealed through a three years surveillance effort. **Pakistan Journal of Botany**. 53: 261-266. **IF: 1.10**
10. Jan SF, Khan MR, Iqbal A, Khan FU, **Ali S***. 2020. Genetic diversity in exotic oat germplasm & resistance against barley yellow dwarf virus. **Saudi Journal of Biological Sciences**. 27: 2622-2631. **IF: 4.219**
11. Khan MR, Imtiaz M, Ahmed B, Munir A, Rattu AR, Facho Z, **Ali S***. 2020. Diversity in *P. striiformis* populations causing the 2013 yellow rust epidemics on major wheat cultivars of Pakistan. **Mycologia**. 15: 871-879. **IF: 2.96**
12. Iqbal A, Khan MR, Ismail M, Khan SN, Jalal A, Imtiaz M, **Ali S***. 2020. Molecular and field-based characterization of yellow rust resistance in exotic wheat germplasm. **Pakistan Journal of Agricultural Sciences**. 57: 1457-1467. **IF: 1.10**
13. El Amil, R, **S Ali**, B Bahri, M Leconte, C de Vallavieille-Pope and K Nazari. 2020. Pathotype diversification of the invasive PstS2 clonal lineage of *Puccinia striiformis* f. sp. *tritici* causing yellow rust on durum and bread wheat in Lebanon and Syria. **Plant Pathology**. 69: 618-630 <https://doi.org/10.1111/ppa.13164>. **IF: 2.77**
14. Cíván, P, **Ali, S.**, Batista-Navarro, R., Drosou, K., Ihejieta, C., Chakraborty, D., Ray, A., Gladieux, G., Brown, T.A. 2019. Origin of the aromatic group of cultivated rice (*Oryza sativa* L.) traced to the Indian subcontinent. **Genome Biology and Evolution**. 11: 832-843. **IF: 4.23**
15. Khan MR, Rahman ZU, Nazir SN, Tshewang S, Baidya S, Hodson D, Imtiaz M and **Ali S***. 2019. Genetic divergence and diversity in Himalayan *Puccinia striiformis* populations from Bhutan, Nepal and Pakistan. **Phytopathology**. 109:1793-1800. **IF: 4.03**
16. Facho, Z.H., Farhatullah, W. Tao and **S. Ali**. 2019. Species divergence and diversity in buckwheat landraces collected from the western Himalayan region of Pakistan. **Pakistan Journal of Botany**. 51(6): 2215-2224. **IF: 1.10**
17. Naz, S, MR Khan, AA Awan, M Hussain and **S Ali***. 2019. Diversity and Divergence in Cultivated and Wild Olive Germplasm Collected from Northern Pakistan. **International Journal of Agriculture & Biology**. 22: 1109–1115. **IF: 0.802**
18. **Ali, S.**, Sharma, S., Leconte, M., Shah, S. J. A., Duveiller, E., and de Vallvieuille-Pope, C. 2018. Low pathotype diversity in a recombinant *Puccinia striiformis* population through convergent selection at the Eastern part of Himalayan centre of diversity (Nepal). **Plant Pathology**. 67: 810-820. **IF: 2.77**
19. Brar, GS, **S Ali**, D Qutob, S Ambrose, K Lou, R Maclachlan, CJ Pozniak, Y-B Fu, AG Sharpe and H R Kutcher. 2018. Genome re-sequencing and simple sequence repeat markers reveal the existence of divergent lineages in the Canadian *Puccinia striiformis* f. sp. *tritici* population with extensive DNA methylation. **Environmental Microbiology**. 20, 1498-1515. **IF: 5.491**
20. Bueno-Sancho, V, Persoons, A, Hubbard, A, Cabrera-Quio, LE, Lewis1, CM, Corredor-Moreno1, P, Bunting, DCE, **Ali, S**, Chang, S, Hodson, DP, Burrows, M, Bryson, R, Thomas, J, Holdgate, S, Saunders, DGO. 2018. Pathogenomic analysis of wheat yellow rust lineages detects seasonal variation and host specificity. **Genome Biology and Evolution**. 9: 3282-3296. **IF: 4.229**
21. Hussain, I, Khan, S.A., **Ali, S.**, Farid, A., Ali, N., Masaud, S., Hussain, I., Azeem, K., Raza, H. 2018. Genetic diversity among tomato accessions based on agro-morphological traits. **Sains Malaysiana** 47: 2637–2645. **0.47**.
22. **Ali, S**, Rodriguez-Algaba, J, Thach, T, Sørensen, C, Hansen, JG, Lassen, P, Hodson, D, Nazari, K, Justesen AF, Hovmøller MS. 2017. Yellow rust epidemics worldwide were caused by pathogen races from divergent genetic lineages. **Frontiers in Plant Science**. 8: 1058. **IF: 6.63**
23. Walker A-S, Rieux A, Ravigne V, **Ali S**, Carpentier F, Fournier E. 2017. Fungal adaptation to contemporary fungicide applications: the case of *Botrytis cinerea* populations from Champagne vineyards (France). **Molecular Ecology**. 26: 1919-1935. **IF: 6.62**
24. **Ali, S**, Soubeyrand S, Gladieux P, Giraud T, Leconte M, Gautier A, Mboup M, de Vallavieille-Pope C, Enjalbert J. 2016. CloNcaSe: Estimation of sex frequency and effective population size by clonemate re-sampling in partially clonal organisms. **Molecular Ecology Resources**. 16: 845-861. **IF: 8.68**

25. Walter S, **Ali S**, Kemen E, Nazari, K, Bahri, B, Enjalbert, J, Brown, J K, Sicheritz-Pontén, T, Jones, J, de Vallavieille-Pope, C, Hovmöller, M S, Justesen, A F. 2016. Molecular markers for tracking the origin and worldwide distribution of invasive strains of *Puccinia striiformis*. **Ecology & Evolution**. 6: 790-2804. **IF: 2.44**
26. Thach T, **Ali S**, de Vallavieille-Pope C, Justesen AF, Hovmöller MS. 2016. Worldwide population structure of the wheat rust fungus *Puccinia striiformis* in the past. **Fungal Genetics and Biology**. 87: 1-8. **IF: 3.07**
27. Hovmöller MS, Walter S, Bayles R, Hubbard A, Flath K, Sommerfeldt N, Leconte M, Rodriguez-Algaba J, Hansen JG, Lassen P, Justesen AF, **Ali S**, de Vallavieille-Pope C. 2016. Replacement of the European wheat yellow rust population by new races from the centre of diversity in the near-Himalayan region. **Plant Pathology**. 65: 402-411. **IF: 2.77**
28. Facho Z, Farhatullah, Khalil Ih, Khan N and **Ali S.**, 2016. Morphological characterization and estimation of genotype × environment interaction of indigenous buckwheat germplasm collected from Gilgit Baltistan Pakistan. **Pakistan Journal of Botany**. 48, 2391-2398. **IF: 0.972**
29. Thach, T. **S. Ali**, A.F. Justesen, J. Rodriguez-Algabal and M.S. Hovmølle. 2015. Recovery and virulence phenotyping of the historic ‘Stubbs collection’ of the yellow rust fungus *Puccinia striiformis* from wheat. **Annals of Applied Biology**. 167: 314-326. **IF: 2.77**
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